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DATE MAILED: 08/10/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/621,825	07/21/2000	Jung Tae Kang	06192.0146AA	4506
75	90 08/10/2005		EXAM	INER
Hae-Chan Park			NGUYEN, JIMMY H	
McGuire Wood 1750 Tysons Bo			ART UNIT	PAPER NUMBER
Suite 1800 McLean, VA 22102-4215			2673	<u>-</u>
			DATE MAILED, 09/10/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		09/621,825	KANG ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Jimmy H. Nguyen	2673				
Period fo	The MAILING DATE of this communication or Reply	appears on the cover sheet wit	th the correspondence address				
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REMAILING DATE OF THIS COMMUNICATIOnsions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. experiod for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per ure to reply within the set or extended period for reply will, by start period for reply will, by start period for reply will, set or extended period for reply will, by start period for reply will, by start period for reply will, set or extended period for reply will, by start period for reply will, set or extended period for reply will, by start period for reply will, set or extended period for reply will.	N. t 1.136(a). In no event, however, may a re reply within the statutory minimum of thirty iod will apply and will expire SIX (6) MON' atute, cause the application to become AB.	eply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status							
·1)⊠	Responsive to communication(s) filed on 20	0 May 2004.					
2a)⊠	This action is FINAL . 2b) T	his action is non-final.					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)□	4) Claim(s) 1-23 is/are pending in the application. 4a) Of the above claim(s) 2-4,6-8 and 14-17 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,5,9-13 and 18-23 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
9)	The specification is objected to by the Exam	iner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to t	the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority :	under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) Notice 3) Information	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/ or No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO-152) 				

DETAILED ACTION

This Office Action is made in response to applicant's amendment filed on 06/24/2005. 1. Claims 2-4, 6-8 and 14-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to nonelected species I and III, and claims 1, 5, 9-13 and 18-23 are currently considered. An action follows below:

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the features, "a printed circuit board (PCB) attached to the LCD panel", of independent claims 1, 5 and 18, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will Application/Control Number: 09/621,825

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be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

3. Claim 13 is objected to under 37 CFR 1.75(a) because although this claim meets the requirement 112/2d, i.e., the metes and bounds are determinable, however, "monitor" in line 2 should be deleted, so as to make this claim consistent with claim 9.

It is in the best interest of the patent community that applicant, in his/her normal review and/or rewriting of the claims, to take into consideration these editorial situations and make changes as necessary.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 5. Claims 1, 5, 9-13 and 18-23 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Regarding to claims above, the disclosure, when filed, does not fairly convey to one of ordinary skill in the art that applicants had in their possession the claimed subject matter, "a printed circuit board (PCB) attached to the LCD panel", of independent claims 1, 5 and 18. The disclosure, when filed, specifically fig. 8 and the specification, page 16, lines 2-22, discloses a

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LCD driving circuit (537) <u>coupled</u> or <u>connected</u> to the LCD panel (531) via a source PCB (536) and a data transmission film (535). However, the original disclosure does not expressly teach the LCD driving circuit (537) attached, affixed or adhered to the LCD panel (531). Accordingly, the original disclosure does not contain such description and details the above underlined feature as recited in independent claims 1, 5, and 18, so as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy H. Nguyen whose telephone number is 571-272-7675. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached at 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JHN

August 1, 2005

Jimmy H. Nguyen Primary Examiner Page 5

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